1209

INDEX (continued)

Meander Line of Old Farm Wagon Road south of Y" St. 52-55

Meander Line easterly from Station 30+93.3 of Meander Line of Old Farm Wagon Road south of Y" St. 56

Meander Line westerly from Station 30+93.3 of Meander Line of Old Farm Wagon Road south of Y" St. 57

Elkhart Meander Line 26-27

INDEX

Sta To Sta	Page To Page	Line
0 – 26+83	3 – 4	Preliminary
0 – 81+14.5	5 – 7	S Preliminary
0 – 22+41	9 – 11	From Township Line on Elk Grove Road
720+00 – 807+77.5	13 – 15	M Prelim
0 – 158+22	16 – 21	"P" Preliminary
0 – 85+26.5	22 – 25	X Preliminary

"P" Line, was run to locate back levee of Reclamation District No 554

"X" Line was run to Locate back levee on Geo Locke's Property.

Survey and Side Notes on Heelbrons. Page 32-37.

Line for Co: R: S: of "Y" St 39-43

K LINE for Knox's Spur 45

"C" Line along Franklin Road to Stewart on Levee

"C" Line down river to Jamieson 47-51

Plotted on Map & tracing with the exception of pages 9 & 11

Septr 5th 1905

W A Fitzmaurice

Preliminary June 8/08 3.

26+58 △ 97°38' R to Zero.

97°38

Centre of Zero. S. 45°40' E 144.0

23+42 △ N 66°30' E

.57 C.

21+42 △ 44°05' L

.36.

17+76 △ 55° L

.82

13+94 △ 49° R.

.0 m.

5+94.0 △ 36°10' L.

.94.

0+00 = 726+17.6 } △ 25°30' L. B.C. 7½ R.

25°30'

726+17.6

V. 2+48

Preliminary. S. LINE June 9/05 5

Sta.	Curve angle	Mag. Course
		S. 33°50' E
10+89	Δ 43°30' R.	
		S. 77°20' E
9+78	Δ 22°00' R.	
		N. 80°50 E
8+95	Δ 7°00' R.	
		N. 73°40' E
6+05	Δ 6°40' R	
		N 66°25' E
3+83	Δ 36°40' L	
		S 76°25' E
2+82	Δ 33°40' R	
		N 70° E
0+00	Δ 113°30' L	To Swamscott E LINE 56351

Ellwood Δ 11°14' Rt

S 11°14'

276.17

To Walnut Grove 3°30' Rt (Mag)

Sta = 56351

S Preliminary

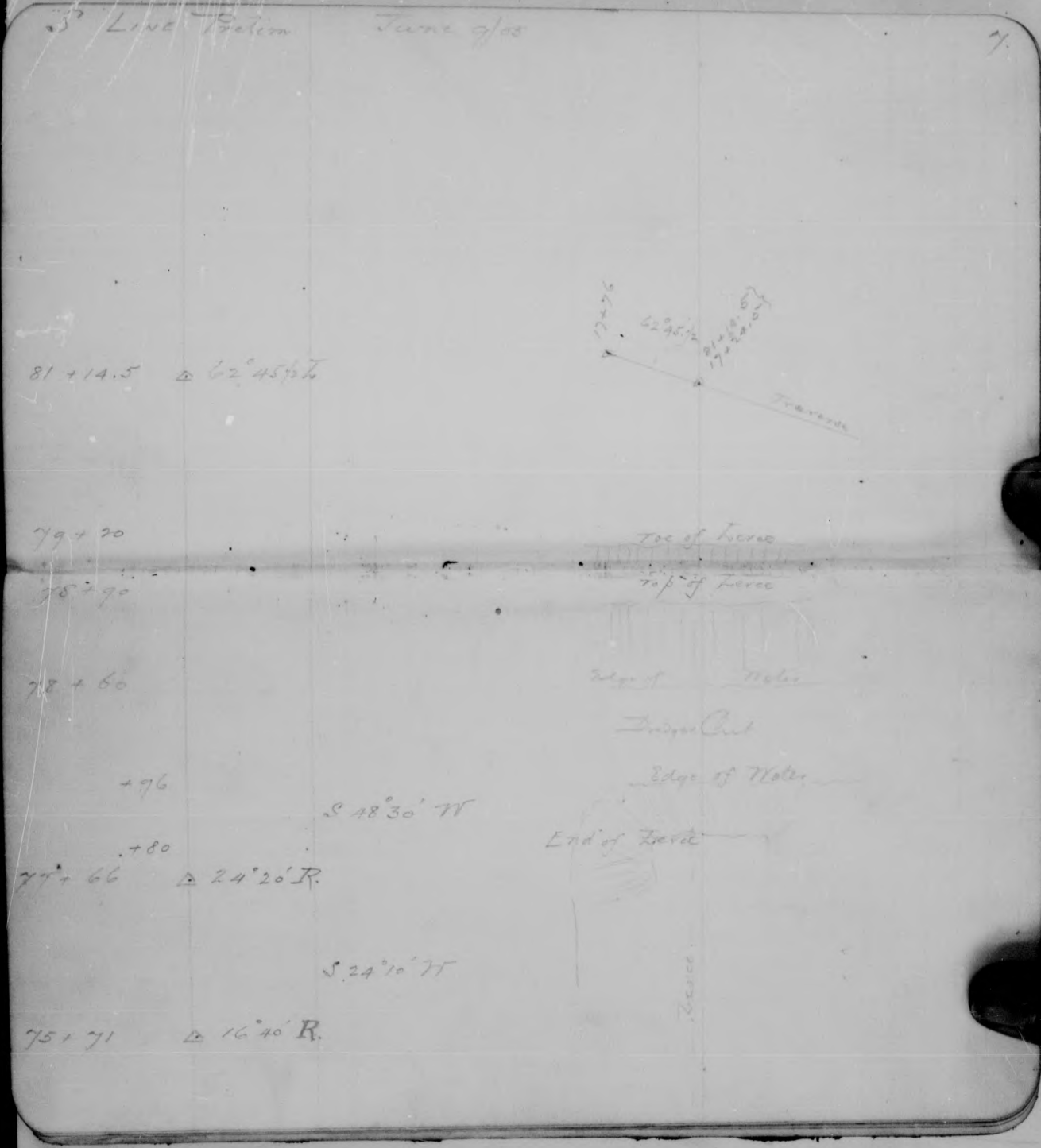
June 9/05

6.

Sta	Angle	Mag: Course
		S 7°30' W
72+00	△ 5°50' L	
68+69	△	
		S 13°25' W
~~58+81~~ 58+81		
~~57+81~~	△ 8°20' L	
		S 21°40' W
56+48	△ 4°10' L	
		S 26°00' W
51+78	△ 5°40' L	
46+00	△	
		S 31°40' W
37+00	△ 48°24' R.	
		S 16°50' E
36+00	△ 17°00' R.	
25+00	△	

3rd Line Below June 9/08

7.



June 26/05

9

Line from Township Line on
Elk Grove Road

76+72.5 △

70+00 △ 20.5 Offset

60+00

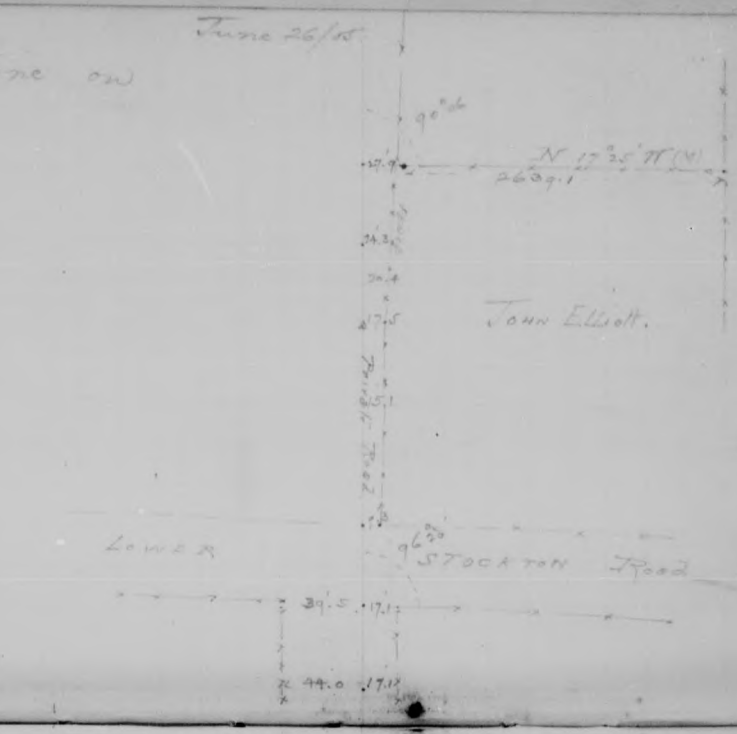
55+00 △ 8 ft Offset Right.

50+00

40+45.3

39+46.4 △

30+00

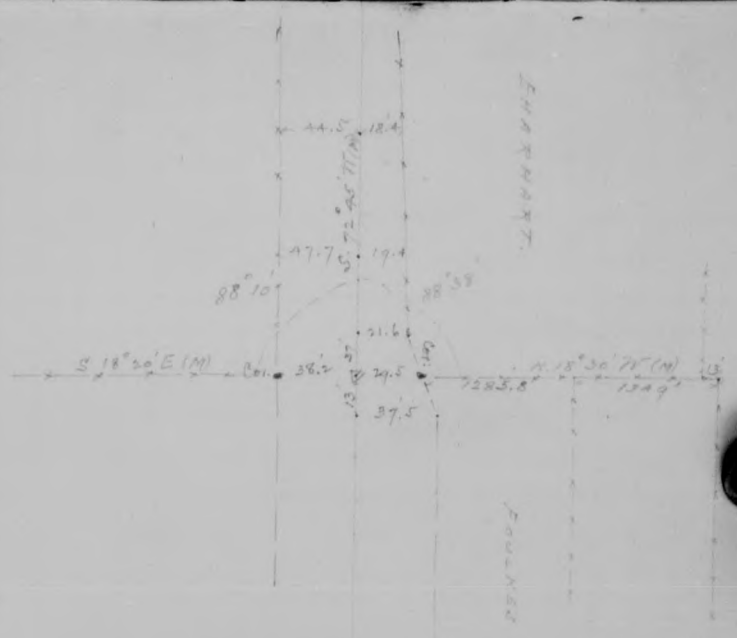


20+00

10+00

0+37

0+00 △



Line from Township Line on Elk. Grove Road (Cont'd)

June 26/05

10.

168+10

165+79.9

142+00

134+55

132+88

132+00 Offset 40.5 to Line.

127+86

125+90.9

116+85 Offset back to line

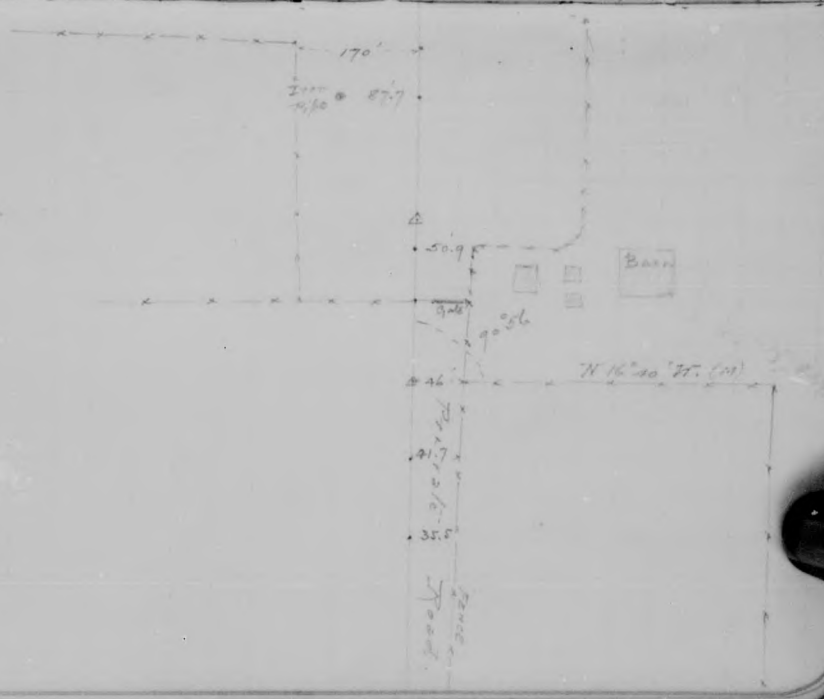
114+66.4

111+86

106+74.3

100+00

90+00



LINE from TOWNSHIP LINE on Elk Grove Road (Cont.)

June 29/05

11.

1056.' to River on map

229 + 41

Sacramento River

212 + 19.7

N. 34° 75' (M)

203 + 95

on bank of Drainage Ditch

79°38'

197 + 17.9 = E 583 + 55.4

E 583 + 55.4

To Walnut Grove

E. LINE To Sacramento

198 + 93

Top of Bank Levee

198 + 32

196 + 95

Dredger Cut

195 + 42.9

near Top of Small Levee

188 + 76.1

178 + 00

"M"

June 30/15.

Preliminary Line

755+76 △ 1°05' Tl

755+15

754+71

754+59

743+91 Fence

743+48.

742

741+67 △ 34°00' R

S 13°25' W (M)

Fence

Fighting Lane

Top of Slope

Bot. of Slope

Road (Lane)

Edge of Cut

on Top of Fence

725+00 △ 0°56' Tl

723 Fence

720+00 △

3°52' Tl

"M" 709+40 Preliminary △

"E" 709+40 Location

S 19°40' E (M)

S 20°40' E

S 15°52' E (Loc)

Fence

M. Preliminary Line

June 30/05

14.

807+77.2 △ 46°27' R.

46°27'

Ten from E Line

788+55 △

Levee

782+86. Fence

Fence

774+83 △

Levee

774+35 Fence

+19 Fence

770+00 △

Private Road

Levee

S. 12°20' W. (M.)

Toe of Slope

Tol. of Levee

Toe of Slope

Preliminary "P" Line to Locate Rectamation Dist. No. 554 Walnut Grove. Aug 10/05

16.

Sta:	Angle	Mag: Course
14+51	Δ 49°20' R.	
14+35		
13+00		S 82°40' E
11+94	Δ 50°00' R	
11		N 47°00' E
9+93	Δ 36°00' L	
		N. 83°15 E
9+00		
8+89	Δ 57°00' L	
		S 39°45' E
6+00		
7+00	Δ 21°00' R	
6		
5+00		
3+00		S 60°45' E
1+26	Δ 85°20' L	
+50		S 24°20' W.
P. 0+00	18°00' R.	
E 1453+50		S. 6°40' W

S 24°20' W Mag. E LINE.

P. Line & Sta.	Prelim. Angle	Locating Mag. Course						
				Aug 10/28				Cultivated Land
31+00						Slough	50/100	Sledgrass Slough
		N 36°00' E		Slough along new Levee	2/100			
30+25	△ 115°20' L					Intersect. of new Levee		Sledgrass Slough gut Aug 10/28
				New Levee				
30		S 28°30' E			9/R		10/R	
28+84	△ 21°00' R.				19/R	Road	9/R	
28		S 49°30' L		30/100	17/R	Levee	4/R	27/100
27+00	△ 24°20' R.							
		S 73°45 E		12/11				
26					6/R		S 16 13/R	
25+15	△ 14°00' L							
		S 59°45 E		Sloughs				
23				30/100			28/100	
22+86	△ 26°20' L				11/R		12/R	
21					7/R		12/R	
19				32/100	11/R		7/R	27/100
18+00					12/R	Road Levee	7/R	
17					15/R		5/R	
16					12/R		7/R	
15		S 33°30' E		42/100	14/R	12	6/R	19/100

P. LINE Prelim: Locating Levee Dist: #554 Walnut Grove
Aug 11/05

Sta.	Angle	Mag: Course						
69+83	Δ 28°40' L				Δ			
		N30°10' E						
68+00	26°00 L			44.3		13		
65				55		61		
60		N36°10' E		55		57		
58+78	Δ 3°40' R				Δ			
		N32°20' E.						
56+00	Δ 6°00' R.				Δ			
		N46°30' E						
55				59		46		
54+38	Δ 6°40' R.				Δ			
		N39°45 E.						
51+00	Δ 5°20' R.				Δ			
50				60		51		
47		N34°20' E		60		52		
45				50		57		
44+56	Δ 7°40' R.				Δ			
43				62		60		
46		N26°40' E		55		67		
38+36	Δ 13°30' L				Δ			
35				44		59		
		N40°15' E						
32+09	Δ 4°10' R.				Δ			

Zero Zero Zero Zero

Snodgrass Slough

Calculated

Notes

Calculated

Notes

P Line Prelim: Locating Reclam: Dist. #554 Walnut Grove Aug 11/05

19.

Sta	Angle	Mag: Course					
109+69	Δ						
109				34		53	
107+77 Fence							
		N 39°15 W.					
106+81	Δ 10°30' Lt				LEVEE		
106		N 28°45 W					
105				35		69	
103+57	Δ 11°00' Lt				NEW		
100				34		68	
98				12 Top			
95		N 17°45 W		44		67	
94+65	Δ 10°58' Lt				Δ		
93						8 Top	
90		N 6°45 W.		37	Sta 90	72 Top	
88+00	Δ 12°30' Lt.				Δ		
85				47		67	
84				83 Top		4 Top	
83		N 5°23 E					
82				15 Top			
80+54	Δ 11°00' Rt						
80				39		60	
77		N 5°35 W		39		62	
76				37		60	
76+00	Δ 7°08' Lt.				Δ		
74				42		58	
		N 1°30 E					
70				47		59	

Sundgrass Slough.

Tract

Land

Cultivated

Sundgrass Slough

Tract

P Line Prelim. Locating Reclam. Dist. #559 Walnut Grove 20.
Aug 11/60

142+75	△ 7°10' R.					△	
142		8800	S 53°50' W	Cultivated Field	3'/Top		
138							
133+86	△ 5°20' L				58	△	61 / 3'/Top
		13800	S 60°50' W				
134					43		60
132+48	△ 36°40' L					△	
133							6/Top
132		16000	N 82°25' W		90		78
130+88	△ 17°00' L						
130		23000			32		61
128+53	△ 21°10' L		N 65°25' W			△	
128					3/Top		
126		6800			33		63
125					6/Top		
124			N 44°20' W		12/Top		3/Top
123					7/Top		
121+71	△ 7°21' L				42	△	48
119					63		23°54' 50
118			N 36°50' W		50		54
118+78	△ 14°20' L						
114					48		63
113			N 22°30' W				6/Top
113+25	△ 16°40' R		+ Angle to Rt			△	
110					33		77

Some Tortuous — Uncultivated — Toe of Levee — Fence — Toe of Levee — Slough — Slough — Slough — Slough — Slough — Slough — Slough — Tule Patch — Tule Patch — Tule Patch — Shoe Grass Slough — Shoe Grass Slough — Shoe Grass Slough — Temporary Dam

FENCE

1224

D LINE Prelim: Locating Reclam. Dist. #554 Walnut Grove 21.
Aug 11/05.

← Sacramento River
Bank of River
Road
Levee.

E 1396+62. } P.C. on 1°30' Curve to ← To Walnut Grove
D 158+53.7 } P.T. ▷ Ang. to 88°55' to Tan. to Curve ←
Calc: Course S 8°24½ E
Ang: Connec: 2½ min. diff.

E LINE To Sacramento →

Orchard

Command. Ground.

Borrow Pit

Locks Levee

New Levee

Toe of Levee

Top of Levee

Borrow Pit

Locks Levee

New Levee

Toe of Levee

Top of Levee

155

152

150

S 59°20' W

149+32 ▷ 42°50' L

148+50

148

147+65 ▷ 39°00' R.

S 68°00' W

146

141

9192

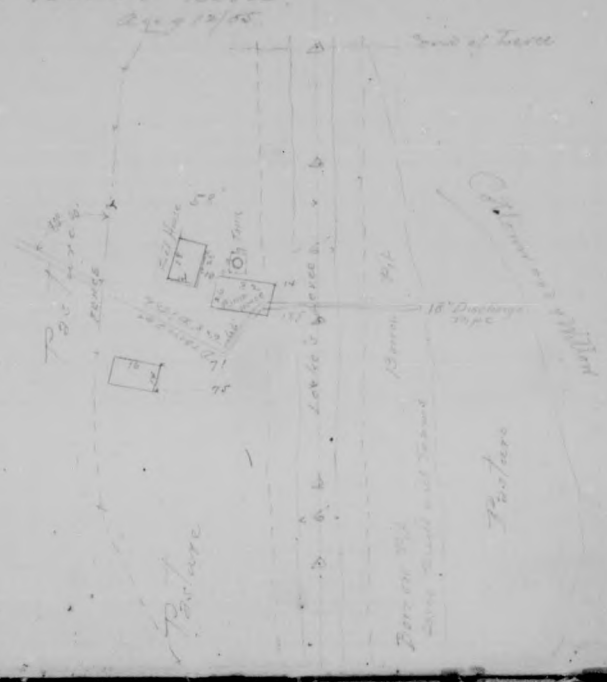
1692

1908

X LINE Prelim. Locating Locke's Force

Aug 12/05.

20+78	Δ 9°20' R.	
		N 29°25' W
18+00	Δ 3°10' R	
17		
		N 32°30' W
15+49	Pump House	
15+00	Δ 4°00' L	
14+49	Store House	
		N 28°50' W
10+21	Δ 16°20' L	
		N 12°50' W
9+32	Δ 15°00 L.	

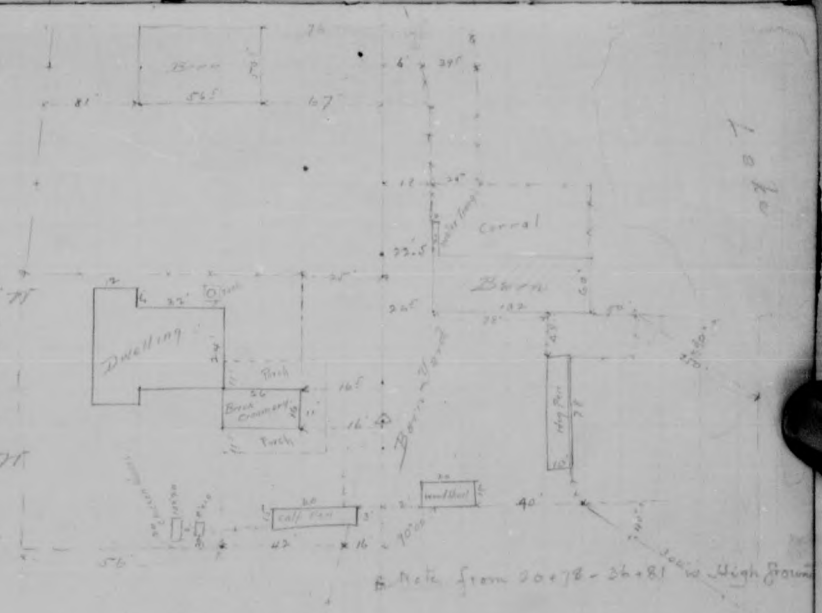


7+17. Fence		
6+50		
		N 2°10 E
3+94	Δ 4°00' R.	
1+50		
		N 1°45' W
0+45		
X 0+00	61°00 L	Backsight on P 158+53.7
P. 149+24	See page 21.	L 139+62
		N 59°21 E
	94°05'	

X Line Pulim. (Cont'd)

36 + 81 Δ 35° 40' Lt.
36 + 68' Fence Cor
33 + 10 Fence
33
32 N. 17° 45' W.
30 + 00 Δ 5° 20' Lt.
28 + 83 ← N. River
27 + 31 Dwelling
26 + 91 Fence Cor
26 + 81 Fence

26
25 + 30 Barn
25 + 11 Corral
23 + 90 Barn
22 + 93 Fence Cor
N 12° 20' W
22 + 55
22 + 23 Δ 8° 00' R.
Creamery
22 + 14
N 20° 20' W
21 + 91
21
20 + 78 Δ 9° 20' R



66+88 △

S 32°45' W Pasture Fence

60+00 △ 0°20' R.

59+80 Fence

Swamp

Hay Land

S 32°15' W

53+96 △ 102°40' L. Line follows Pierson Dist Levee

53+96 △ Intersect Pierson Dist Fence

Pierson Dist Levee

Slough

Pasture

50

N 45°25' W

47+56 △ 1°20' R.

N 46°20' W

43+70 △ 4°20' R.

N 50°35' W

42+00 △ 2°40' R

41

N 53°15' W

38+12 Fence Cor.

36+81 △ 35°40' L

Hay Land

Slough

Pasture

Beg^n of Levee

"X" Line Profile: (Cont'd) Aug 12/05 25.

← Sacramento River
River Bank

Calc. S 47°03'

E 1356+08.7
X85+26.3 } Δ 96° 32' R to tan: to Curve
Calc Course S 47°03' E
Aug: Correct: 1/2 Min Diff:

To Walnut Grove. Road — Levee — To Sacramento

E LINE — Gate — 0°30 Curve L.

83+78 Fence

S 31°10' W

82+53 Barn

81+75 Δ 1°43' L

Pig Pen — Wood Shed — Tool House

Barn

Barn Yard

S 32°50' W

77+34 Δ 2°50' R.

S 30°05' W

76+00 Δ 2°00' L

S 32°10' W

72+00 Δ 0°40' L

Strand

66+98 Δ

Toe of Levee — Pierson Dist. Levee — Toe of Levee — Bottom Pit — Bottom Pit — Inlet — Pipe L

Ehrhart Meander Line

Station	Angle.	Mag.
91+00		
82+00		
73+00		
64+00		
55+00		
		N. 54° 45' W.
46+00	53°00'R.	
32+00		
		S. 72° 15' W.
20+00	2° 01' L.	
18+50		
8+00		S. 74° 10' E.
0+00 = "D" 906+60	80° L.	
		N. 25° 55' W.
"D" 910+00	F.S.	

Notes Taken by A.G. Scurfield. August 25. 1909.
Copied from (Miscellaneous Transit Book Dated 1909). Pages 2 to 4 (incl's'v)
F.H. 12/10/11.

123

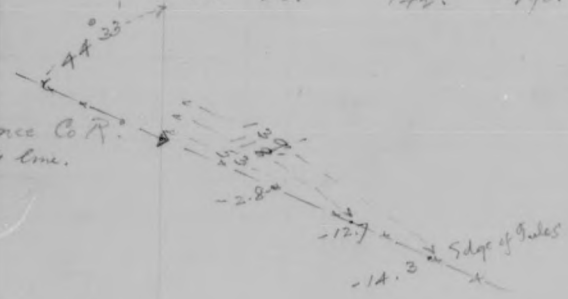
Ehrhart Meander Line

Station	Angle	Mag	
+74			Water Edge in Slough.
185+60			
180+00			
171+00			
162+00			
		N.34°55'W.	
155+50	10°00'L.		
150+00			
		N.24°55'W.	
141+00	13°20'R.		
		N.38°15'W.	
130+00	22°00'R.		Kaema.
129+21	ppty line		129+21
127+00			
			Ehrhart.
118+00			
		N 60°25'W.	
109+00	5°40'L.		
100+00			

Sta. C. Side Notes on Heilbron's on Right.

121.	-6.4 100.	-17.5 240.	-20.4 470.	-18.7 484.	-29.6 689.	-30.7 822.	Edge of Tules
118+50	+0.4 34.	-15.7 355.	-18.3 400.	-22.0 555.	-23.6 787.	Edge of Tules	
115+50	-10.3 200.	-18.2 687	Edge of Tules				
157+70.6 CC T/2.	0.0 80.	+5.0 292.	-5.0 400.	-16.4 475.	-20.3 586.	Edge of Tules	
155	-1.4 200.	-0.2 289.	-4.4 353.	-9.4 390.	-18.0 466.	-21.4 517.	Edge of Tules
152+50	-12.0 200.	-18.0 408	Edge of Tules				
150+50.	0.0 70.	-1.6 80.	-5.8 142.	-13.8 198.	-17.2 219.	Edge of Tules	

149+93.9 Fence Co R.
ppty line.



Survey of Heilbron's Land Aug 27/01 33.

Sta:

24+37.4

20

15

11+14.4

7+70.9 57°52' R

5+04.4

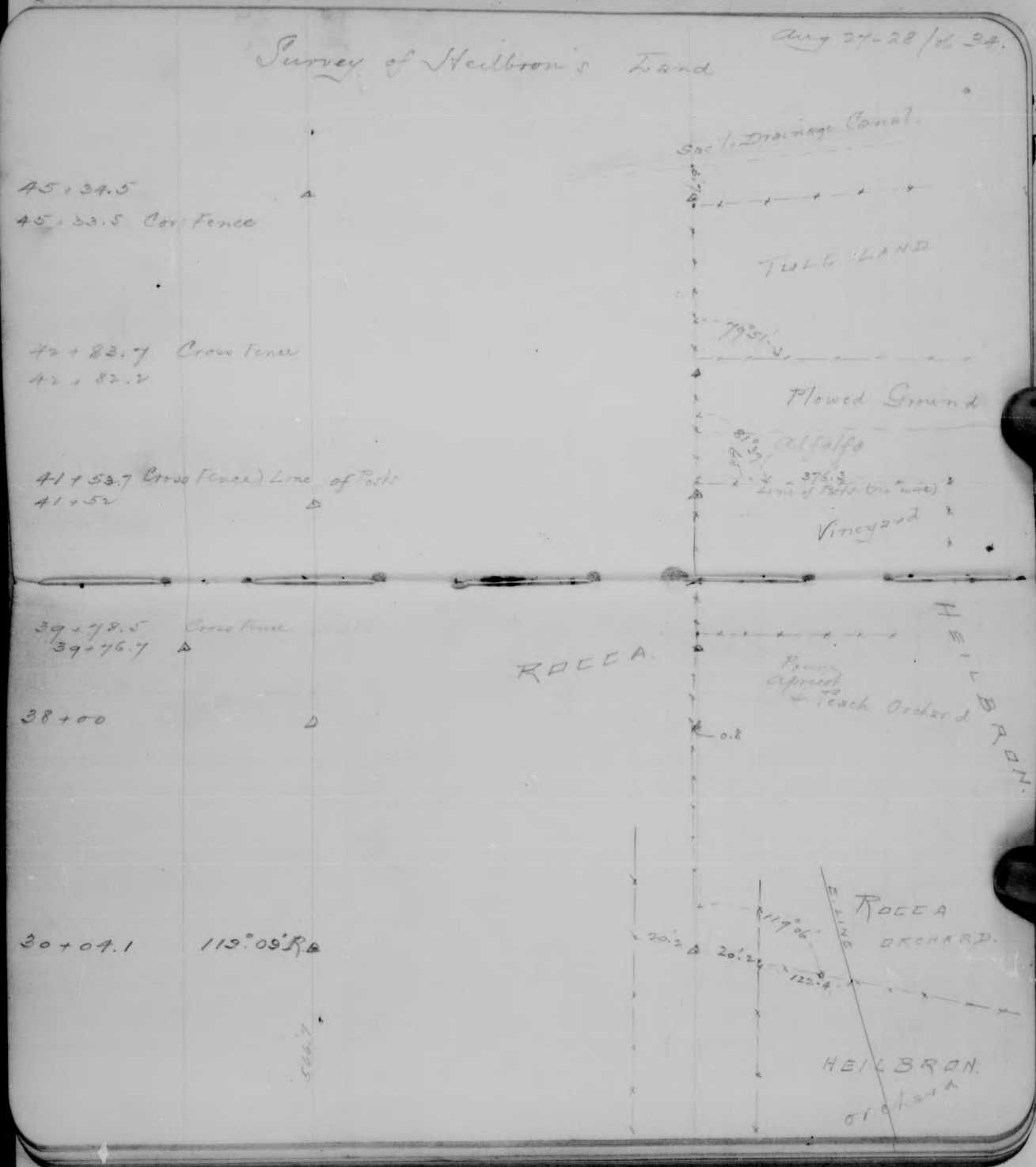
3+35.6

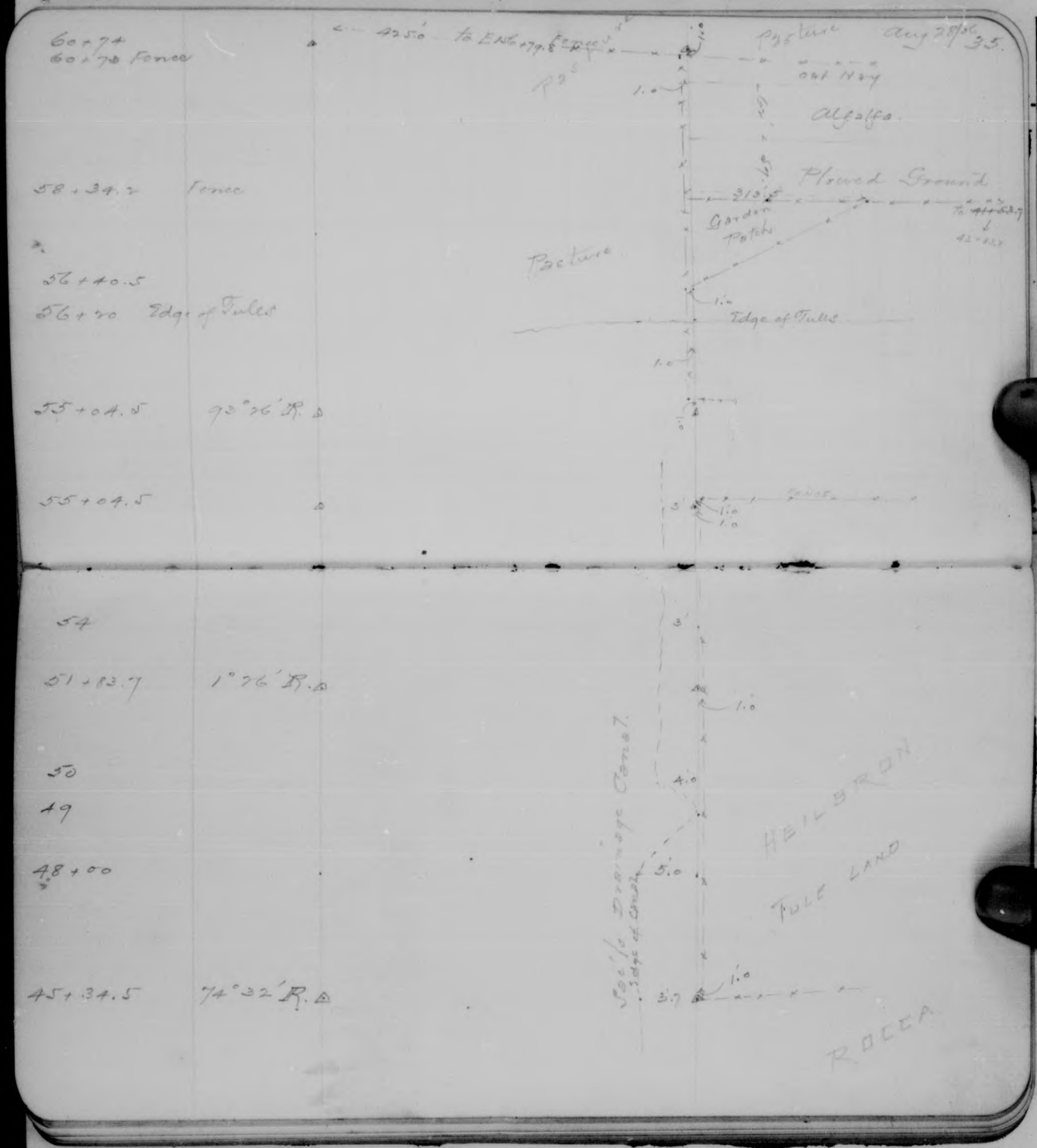
2+80 14°10' R.

0+00 149+60 44°26' L

Survey of Heilbron's Land

Aug 27-28/06 34.



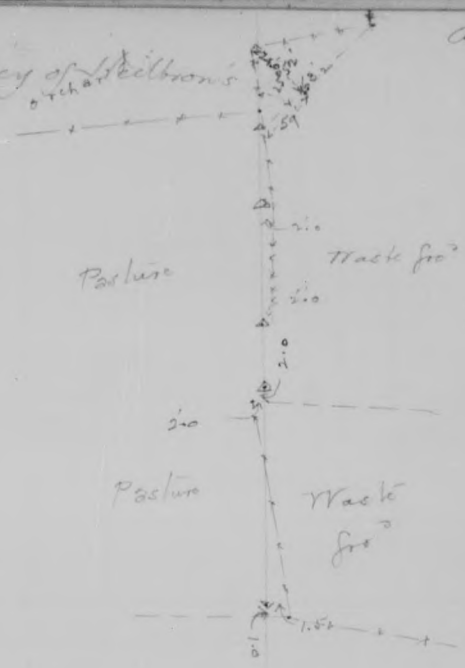

60+74
60+70 Fence
425.0 to End 79.8 Fence
Pasture
Aug 28/06 35.
R 3°
1.0
out Hay
Alfalfa
Plowed Ground
58+34.2 Fence
313.5
Garden Patch
to 41+53.7
42+00
Pasture
56+40.5
56+70 Edge of Tules
1.0
Edge of Tules
1.0
55+04.5 93°26' R.
55+04.5
3'
1.0
1.0
54
3'
51+83.7 1°26' R.
1.0
50
4.0
49
48+00
Seal'o Drainage Canal
Edge of Canal
5.0
HEILBRON
TULE LAND
45+34.5 74°32' R.
3.7
1.0
ROCCA

1235

Survey of Seelbron's

Aug 28/06. 36.

+13.6 Fence Cor. 69+11.6	
68+00	20°50' R.
66+71.2	92°30' R.
66+71.2	
66+69.2 Fence	
63+89.	79°54' L.



63+89	
63+50	
61+07.3	
60+74	88°00' R.

Survey of Heilbron's Land aug 28/06 37.

St/2. LINE for Co. ROAD. South of Y St. Oct 9/06 39.

D. FLINT.
HOP YARD

H. COWELL
LIME & CEMENT CO
Gordon

LEWIS.
GARDEN AND
FERTILIZER

12+55.4 3°04' Lt

11+96.2 Fence
10+95.2 Δ 13°22' Lt

9+50

8+94 Ditch
8+85

6+90

6+36 Ditch
6+00

5+65 Ditch

5+40
5+32 Ditch
4+80

3+76 Bank of Dike

3+38 Ditch
3+03 Bank of Dike
3+00
1+80

1+58
1+44 Ditch

0+43.7 Fence
0+40.5

0+06.5

0+00

LINE for Co. ROAD
South of "J" Street.

Oct 9/06

26+37
25+71 Ditch

24+83.1 △ 11°08' L.

24+55 Ditch
24+48.6 Fence

23+45 Fence
23+41 Ditch

+30 Pub. Road
22+27.4
22+12 Ditch

20+66 Ditch

30' x 30' HOP YARD

Garden Land

Mrs. MARKLEY

Garden

Ditch

19+23.2 △ 6°29' R. Prop. Line

D. FLINT

about 43°

Edge of Trees

Edge of Trees

18+20

16+48

15+94.5 △

D. FLINT.

HOP YARD.

Mrs MARKLEY.

Property Line

H. W. See Drainage Canal
M 24+05 on EL: 14.00

H. FENELL
Garden

Sta.

LINE for Co ROAD
South of V St.

Odt q/ot 43.

D. FLINT
HOP. YARD.

G. WILSON

30 + 38.8 Fence

30 + 21.8

29 + 26

27 + 97 DITCH

Mrs MERKLEY

1240

Sta. "K" LINE for Knox's Spur.

End of Line 13+10.5 W. Line 1st crest 58.

10

8 + 62.2 △

6 + 22.9 △ E.C. 41°31'.5

6	39°41'.8	
+ 50	35°41'.8	
5	31°41'.8	
+ 50	27°41'.8	
4	23°41'.8	83°03'
+ 50	19°41'.8	
3	15°41'.8	Total Curvature
+ 50	11°41'.8	L.C. 519.06
2	7°41'.8	S.T. 317.35
1 + 50	3°41'.8	

1 + 03.8 B.C. 16° R.

6°22' R

E31+94 △ 17'.71 R = 0+73.8.

May 23/07

℄ Line Preliminary along Franklin Road

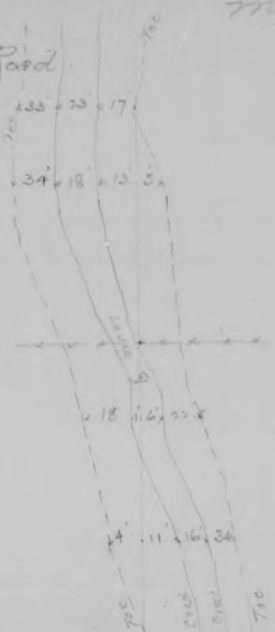
12

10

8+64.6 Fence

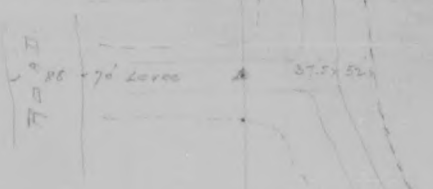
8+45 △

8



4+16.4 △

4



0+00. 66°40' Left △ from D Tangent

May 22/07 48.

S/2. ℄ Line Preliminary along Franklin Road

℄ 29 + 74.5 } 65°30' R.
℄' 29 + 74.5 }
29 + 30.2
28 + 92
28 + 89
28 + 86

28 + 53.4 Fence Church Pty Line End of Levee
28
26 + 53.8 Fence End of Levee
26
24
22
21 + 50
20
18
16 + 90.7 Fence
16
14

May 23/07 49.

Pt 2. C. Line Preliminary along Franklin Road to Stewart's House on River Levee

39+10

39 End of Line.

38+53

38

37

36+80

36+65 Edge of Orchard

36

35

34

33

32

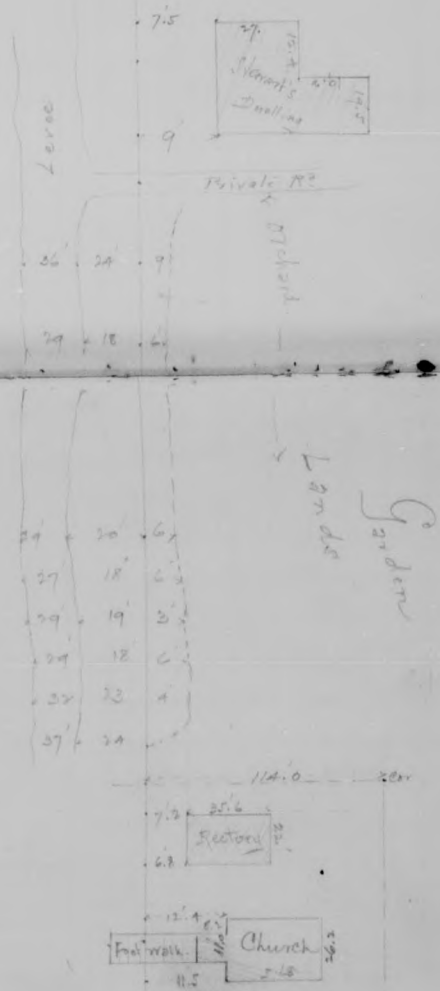
31

30+87 Fence

30+44.6

29+78.6

29+76



May 23/07

C' Line to Gammon's Warehouse.

41

40 + 40 △ 3°25' R.

40

39

38.

36

35 + 90 △ 2°15' R.

35

34

33

32

31 + 84 △ 4°26' L

31 + 30 △

31

30 + 70. ppty Line Fence

30 + 29 Edge of Road

30 + 11 " "

C' 29 + 74.5 △ } 106°20' L △

C 29 + 74.5 } from page 48

16	6	29	
15	7	26	
17	6	23	
20	4	25	
15	4	26	
14	3	20	
14	5	21	
15	5	22	
13.5	5	19	
13	5	29	
	23	36	

Gammon

Fence

Franklin Road

1245

℄ Line to Gammon's Warehouse

51+50	△ End of Line				14	24	33	
51+40						38.2		40.0
50					20	23	27	25.5
48+94.7							24	
48+00	△ 6°40' R. ✓	Bisect angle for meas.			22.5	22	33	
47					20		30.5	25.2
46+60	△ 5°00' R. ✓					△		
46+39							27.5	
45					21.5		20	
43					20	21	20	
42					17	19	24	

Gammon

Face of Line

Centre of Line

Gamm Warehouse

Gamm Warehouse

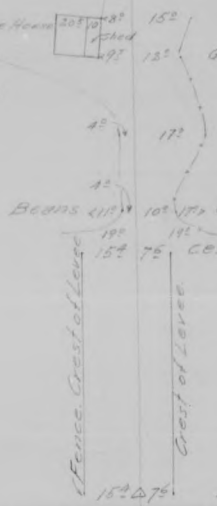
Edge of Road

Meander Line of Old Farm Wagon Road south of "Y" St.

Transit Notes copied from Transit Book #14, pages 4 to 13

Notes taken by Drury Butler, Oct. 17, 1911. H.V.M.

7+00			Garden
+59±			
6+30	△ 17°13½' L	S 19°45' E mag.	
+20±			Toilet 3×5 □
6+00			
+55			
5+00			
+95			
4+55	△ 85°10' R.	S 2°30' E mag.	
4+00			
3+00			
2+00			
1+00			
0+00	△	S 87°40' E mag.	

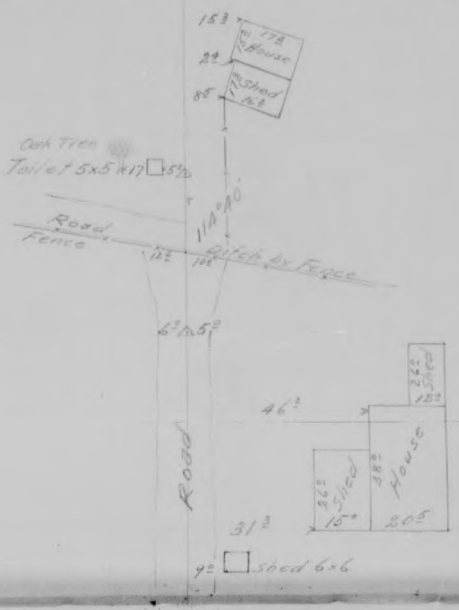


Note:- Point chosen for starting point at intersection of Front and "Y" Streets. Located by chaining 4 20.9 ft. from a stone monument at intersection of Front and "X" streets, using a stone monument at Front and "W" streets as a back sight. Turned an angle on a stake at the center of "Y" street 1055.16 ft. from Front and "Y" streets. Angle 89°47'. Given on map as 89°48½'. This point on Front and "Y" streets is called sta. 0+00. The first course is up "Y" street, being a prolongation from the stake below the Sacramento Southern line at the center of "Y" street and the hub located at Front and "Y" streets.

1247

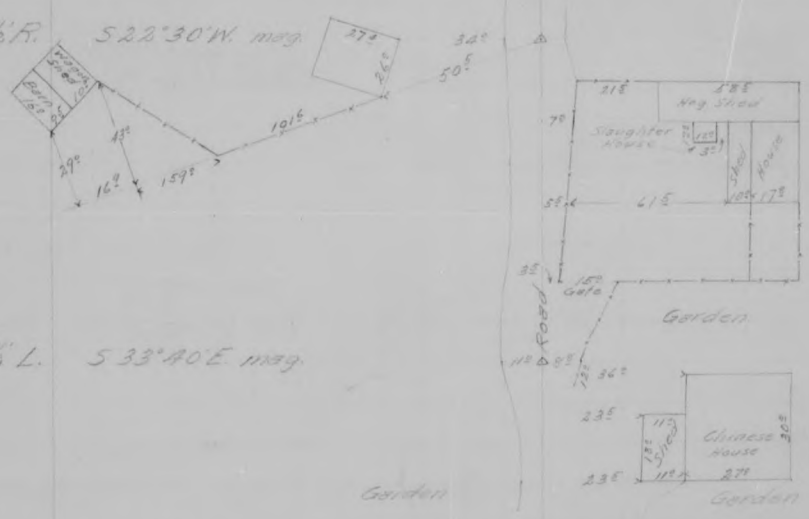
Meander Line of Old Farm Wagon Road south of "Y" St.

+24.2
17+20
+90.7
16+00
15+97.7 △ 50°37' R. S 50°00' W.
15+00
+26.6
14+00
13+54.6 △ 21°53' L. S 0°30' E mag.
13+00

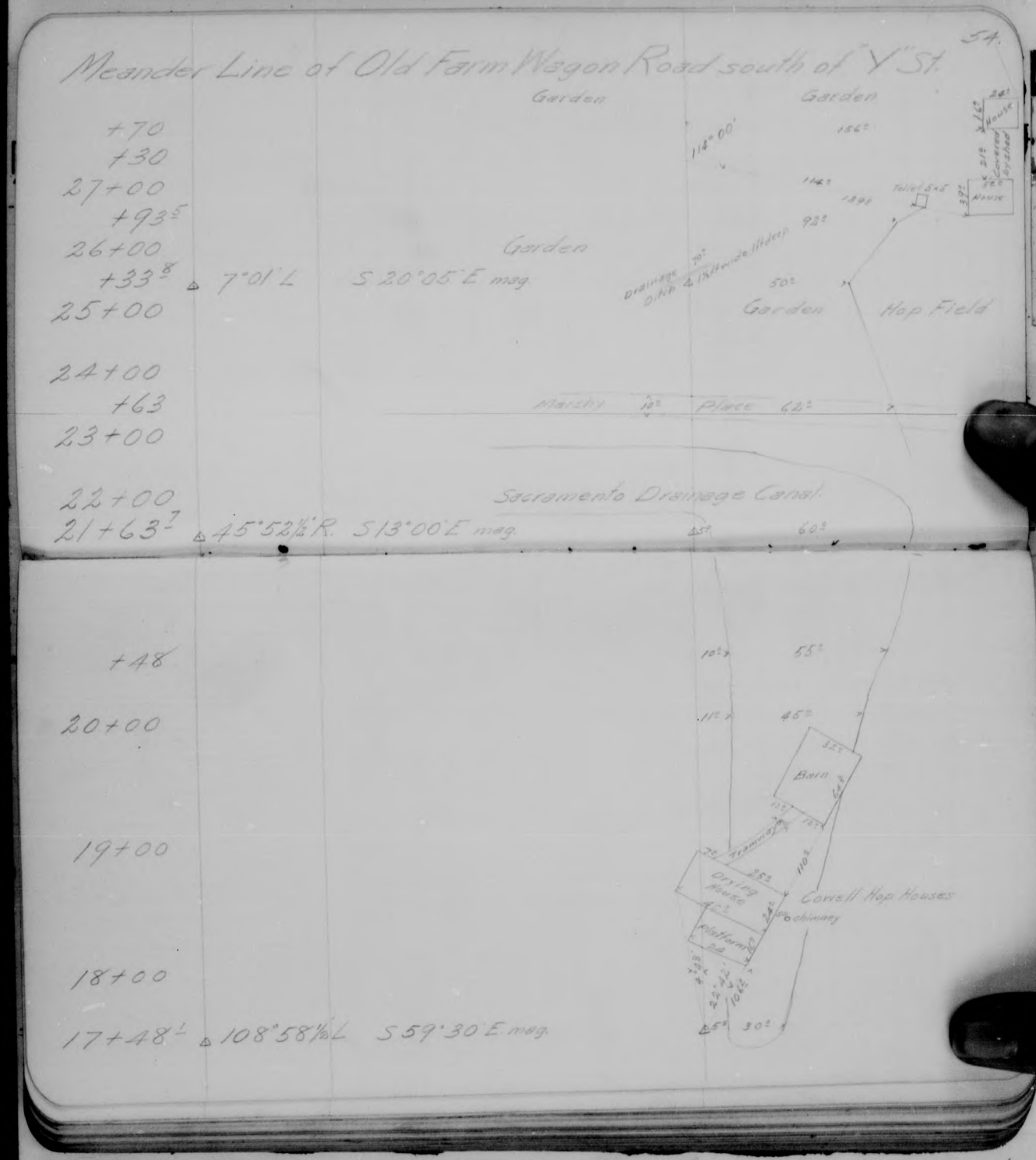


+50
+27

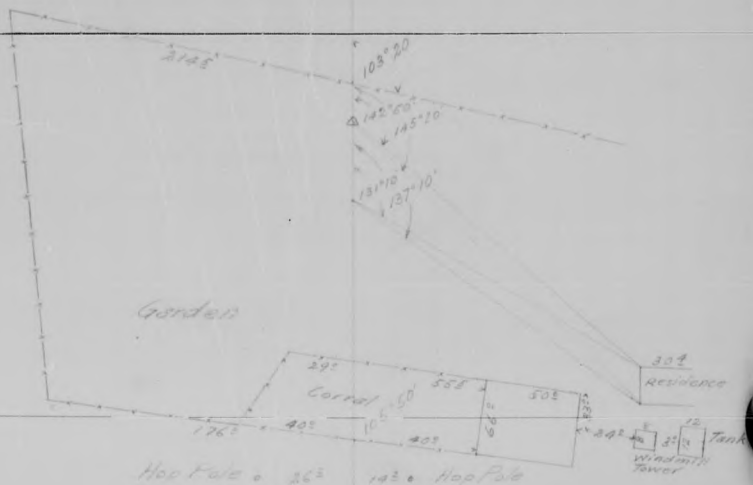
12+00
+18
11+00
10+00.2 △ 55°16½' R. S 22°30' W. mag.
+84.6
+55
9+00
+55.6
8+00
7+84.6 △ 13°53½' L. S 33°40' E. mag.
7+26.8



Meander Line of Old Farm Wagon Road south of "Y" St.



Meander Line of Old Farm Wagon Road south of "Y" St.



+35.8
+33.8
42+00
+33.8
41+00
40+00
+33
39+00
+78.9
+60
38+00
37+00
36+00
35+00
34+00
33+00
32+00
+50
+06
31+00
30+93.3 = 0+00 Side Traverse of Road easterly and westerly
+80
30+00
+25
29+00
28+00

Fence
Fence
Fence
Fence

Hop Yard
Poles 40 ft. apart each way.

Hop Yard

Hop Pole
Hop Pole

Lane

Drainage Ditch
2 ft. wide 1 ft. deep

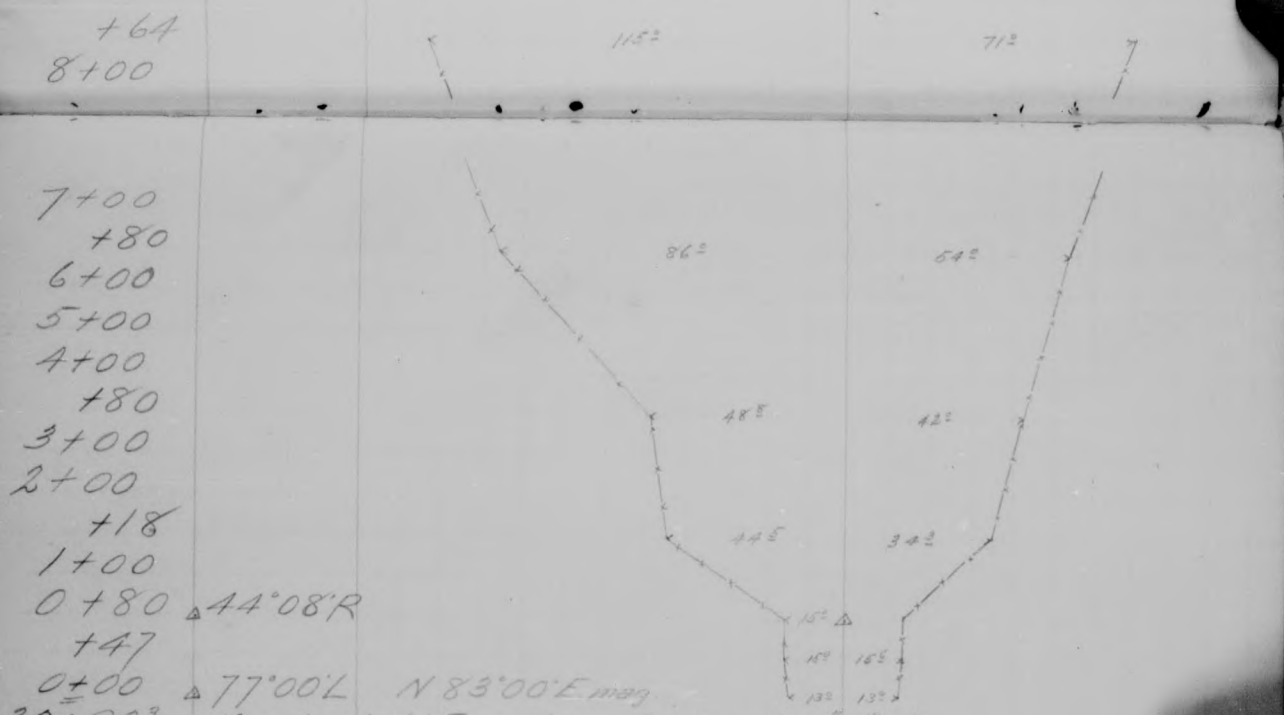
Garden

Garden

Meander Line easterly from Station 30+93.3 of Meander Line of Old Farm Wagon Road south of "Y" St.

Transit Notes copied from Transit Book #14, page 16

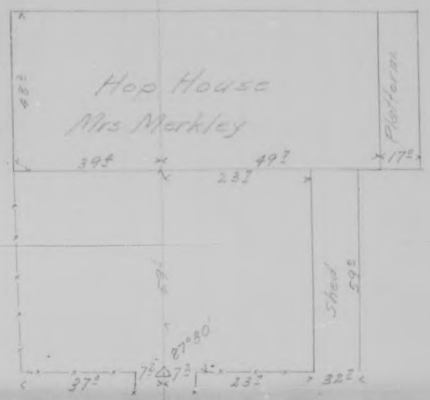
Notes taken by Drury Butler. Oct. 17, 1911. H.V.M.



Meander Line westerly from Station 30+93.3 of Meander Line of Old Farm Wagon Road south of "Y" St.

Transit Notes copied from Transit Book #14, page 18

Notes taken by Drury Buller. Oct. 18, 1911. H.K.M.



6+39.2 △

6+00

5+00

4+00

3+00

2+00

1+08 △ 18°57' L S 65°30' W. mag.

1+00

0+00 △

30+93.3 △ Meander of Old Farm Wagon Road south of "Y" St.